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| 3.   Chaitin's constant   Constan |
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| <b>8.</b> Grigori Perelman   Poincaré conjecture   |
| 9. Demis Hassabis   AlphaGo           intuition  |
| $ \textbf{10.} \ \square \ AlphaGo \ \square \square \square \square \ Nature \ \square \square \square \square \square \ superhuman \ performance \ \square $   |
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| 14. DDDDDDDD The Selfish Gene  |
| <b>15.</b> Birds and Frogs birds _ frogsBirds and  |
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| <b>22.</b> DD Turing Test DDDDDDDDDDDDDDDDDDDDDDDD SAE level 4 D level 5 DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD                                |
| 23. DDDDDDDDDDDDDDDDDDDDDDDword-embedding vector space [] encoderdecoder, attention, transformer, BERT DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD |
| <b>24.</b> [][][][][] deep-learning [][][] deep residual networks [][][][][][][][][][][][][][][][][][][]                                    |
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